



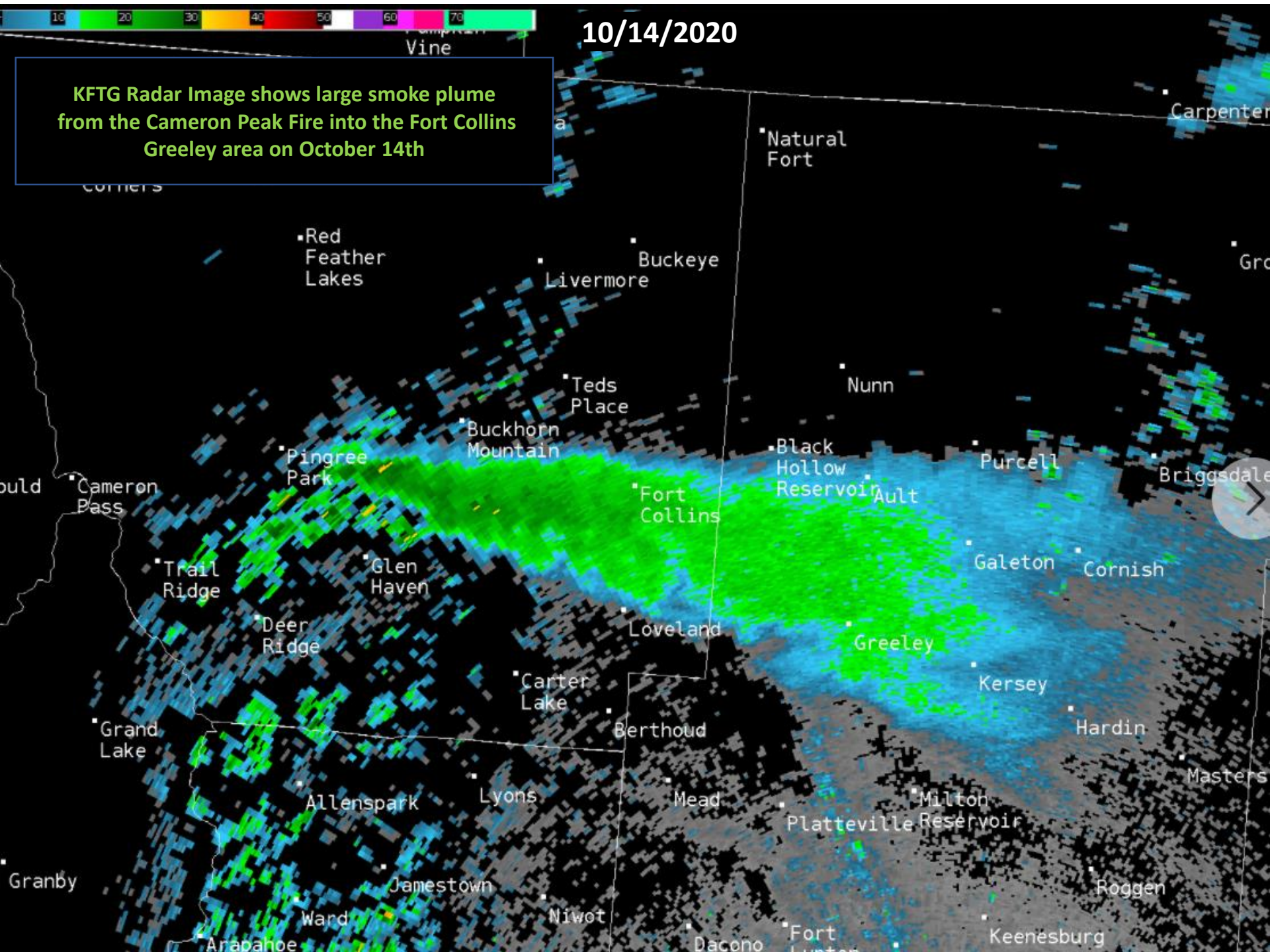
.....October 2020 Climate Summary for the Denver Area.....

October 2020 was a dry month with slightly below normal temperatures. Denver experienced above normal temperatures much of the first half of the month with a very warm stretch of weather between the 4th and the 10th. The dry and warm weather continued to fuel the fires in the northern Colorado mountains which resulted in smoky skies across the region. An upper trough of low pressure which moved across the Northern and Central Rockies combined with a strong upper-level jet over the Colorado Wyoming border produced strong winds across much of northeastern Colorado on the 11th. The strongest wind of 82 mph was reported near Buckeye in Larimer County with a wind gust of 59 mph measured at Denver International Airport. Breezy to windy conditions continued across much of north central and northeastern Colorado through the 17th as a moderate to strong northwesterly flow aloft set up over Colorado. The warm, dry and windy conditions resulted in additional fire starts across the mountains and foothills northwest of Denver. Smoke plumes from these fires produced smoky skies across the Front Range Urban Corridor. The destructive Cameron Peak, CalWood and East Troublesome fires destroyed many homes in Larimer, Boulder and Grand Counties, while the East Troublesome Fire resulted in two fatalities. An upper-level trough of low pressure and associated cold front brought cooler temperatures and some light precipitation to the region on the 22nd. A stronger storm system dropping out of the Northern Rockies and Northern Great Basin brought snow and much colder temperatures to Colorado on the 25th and 26th. The mountains and foothills received heavy snow with this system with many locations measuring over one foot of accumulation. Snow amounts between 4 and 13 inches fell across the Front Range Urban Corridor with the heaviest amounts over the Fort Collins Loveland area.



10/14/2020

KFTG Radar Image shows large smoke plume from the Cameron Peak Fire into the Fort Collins Greeley area on October 14th



Locations labeled on the map include: Red Feather Lakes, Livermore, Buckeye, Natural Fort, Carpenter, Gro, Buckhorn Mountain, Teds Place, Nunn, Black Hollow Reservoir, Purcell, Briggsdale, Ault, Cornish, Galeton, Kersey, Hardin, Masters, Roggen, Keenesburg, Fort Lupton, Dacono, Niwot, Jamestown, Ward, Arabahoe, Allenspark, Lyons, Berthoud, Mead, Platteville Reservoir, Milton, Fort Collins, Greeley, Loveland, Carter Lake, Glen Haven, Deer Ridge, Trail Ridge, Cameron Pass, Grand Lake, Granby, and Boulder.

Kremmling-McElroy Field (NE)

UTC: 20:53 10/16/20

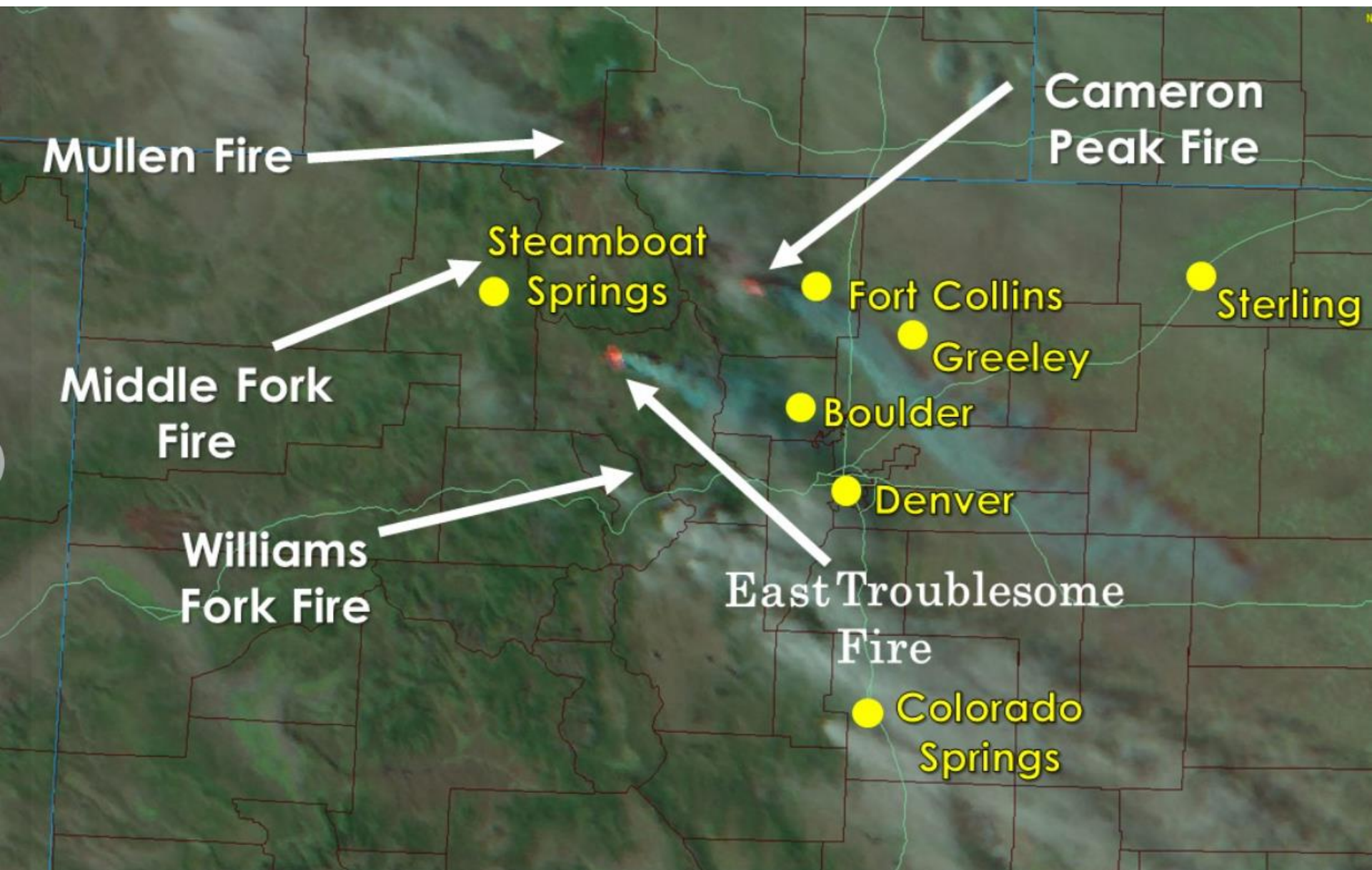
Local: 14:53 10/16/20

Large Plume of Smoke from the East Troublesome Fire on October 16th



FAA advisory weather product

Strong winds allowing smoke plumes from Cameron Peak Fire and East Troublesome fires to expand into the Denver metro on October 16th



**Smoke from the CalWood and Lefthand Canyon Fires
produced smoky skies across portions of the
Front Range Urban Corridor October 16th and 17th**



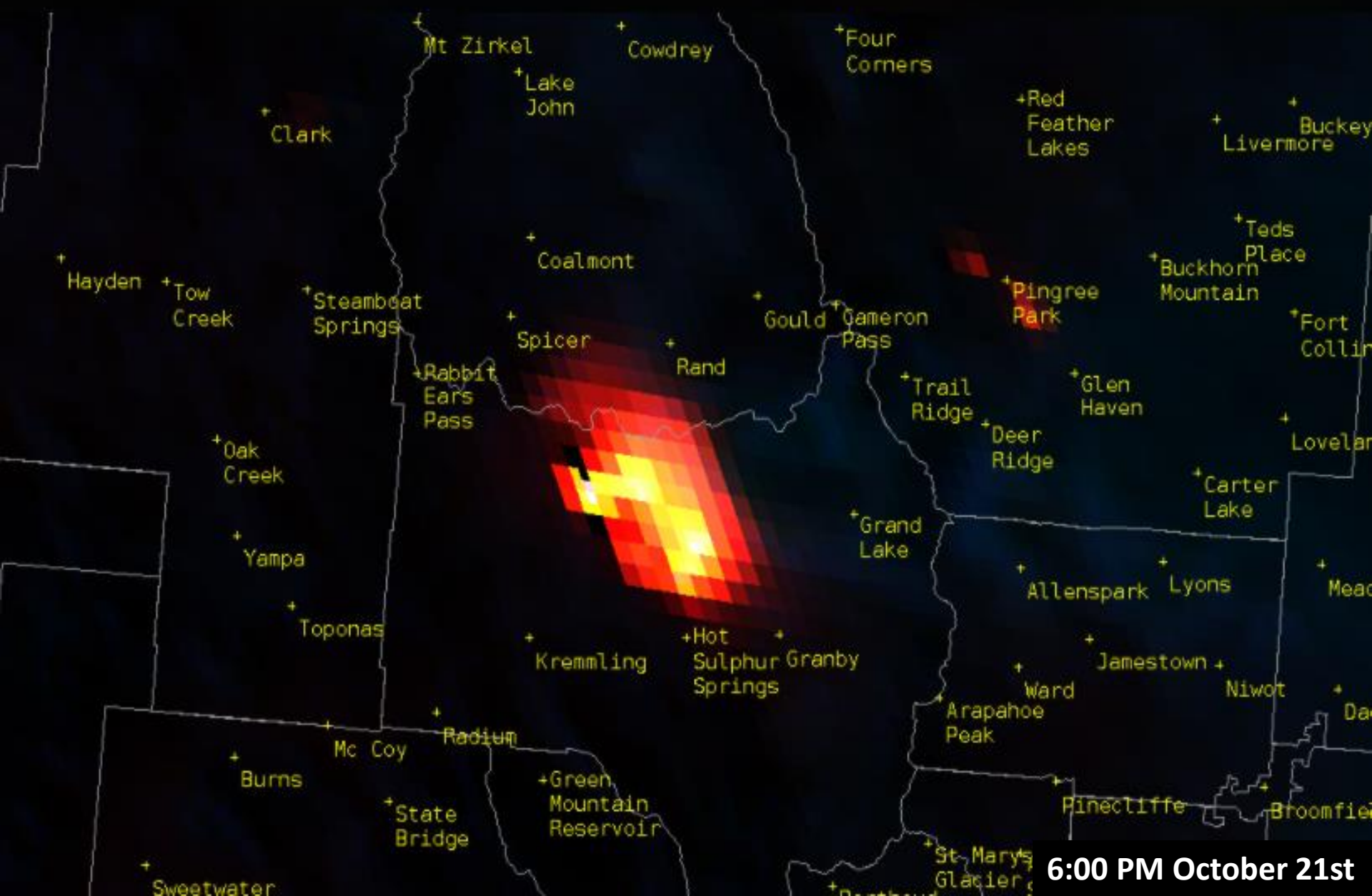
Photo taken from the roof of the NWS Boulder office on October 16th

CalWood Fire Evening of October 17th



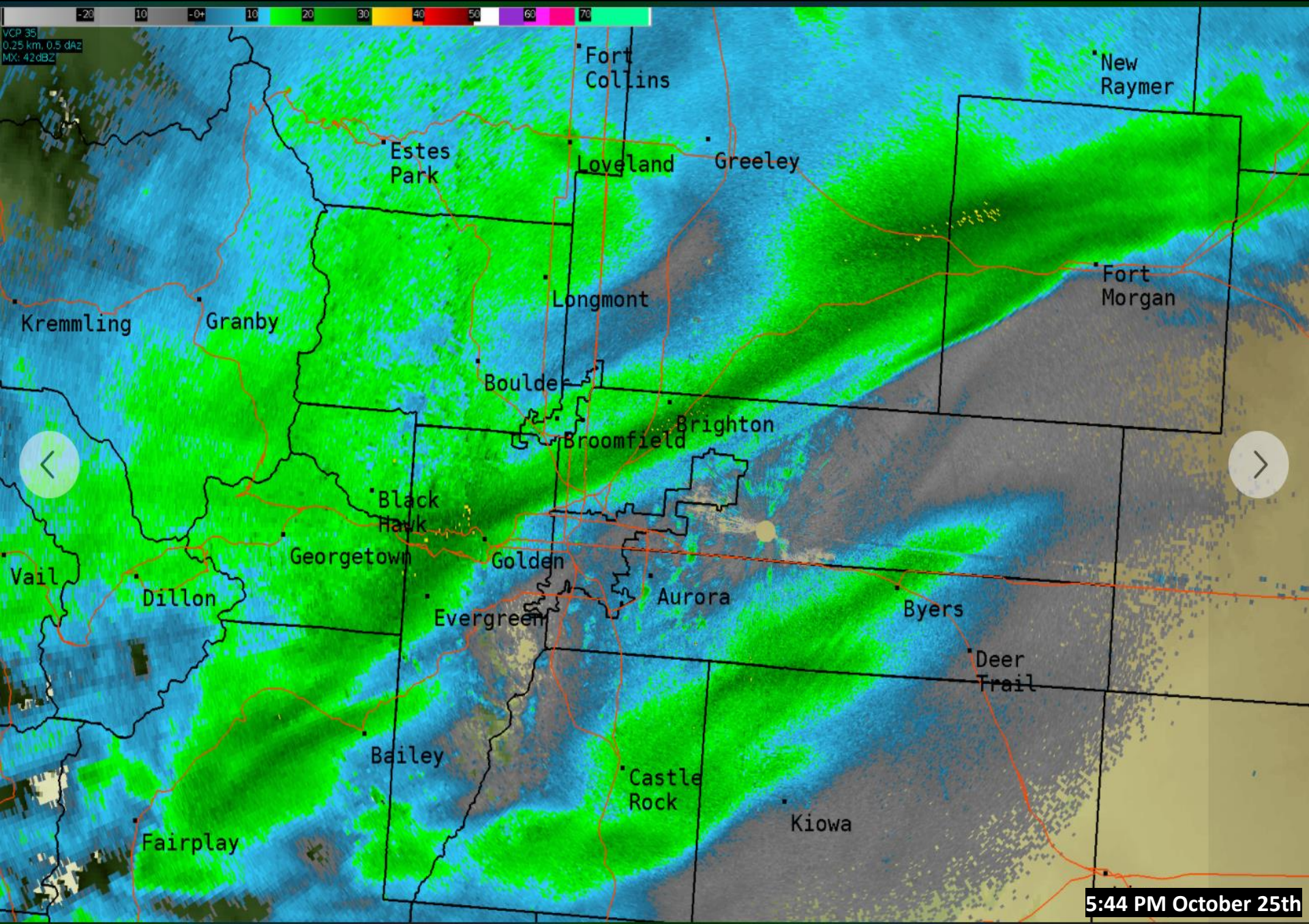
Courtesy of Joseph Gruber

GOES satellite imagery shows an expansive area of heat with the East Troublesome Fire. Note: there is also some heat and smoke plumes near Pingree Park from the Cameron Peak Fire.



6:00 PM October 21st

Heavy snow band sliding south into the Denver metro





Hazardous Road Conditions Morning of October 26th



Oct/26/2020 *04:10:59



US-36 and 104th

I-85, just north of Greeley



I-25 at 128th

E-470 and 96th Ave, 4 West of DIA



Storm Total Snowfall (in)

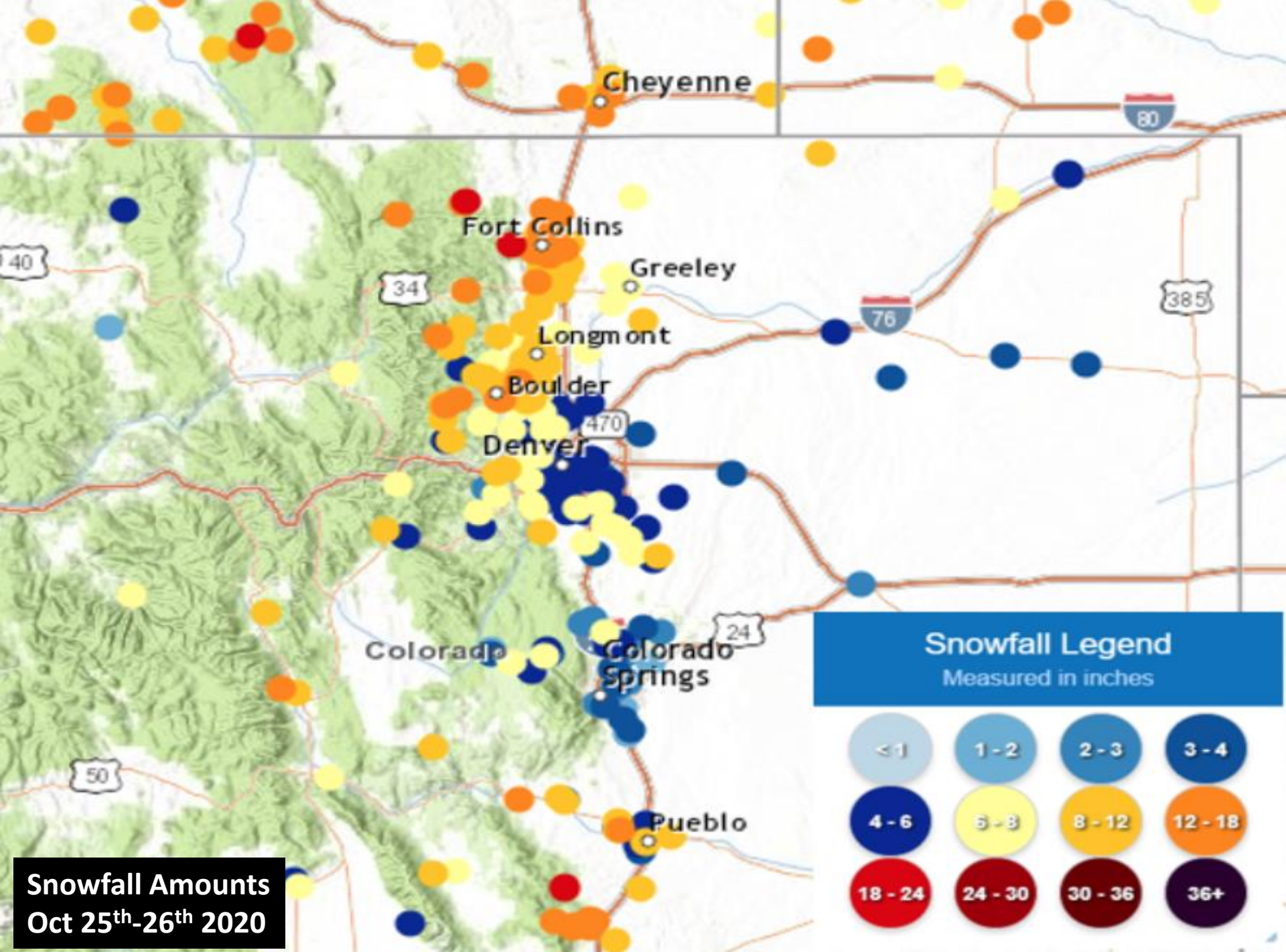
October 25th – 26th

Livermore 10.5 WSW

Larimer 7443ft

19.5

Horsetooth Mountain 3.2 NNW	18	Fort Collins 2.8 W	17.7	7.4 W Rustic	15
Allenspark 2.3 N	14.3	Fort Collins 2.8 NE	14.1	Wellington 3.7 WNW	13.3
Nederland 2.8 NE	12.9	Boulder 1.8 ESE	12.9	Loveland 2.4 NW	12.8
Drake 4.3 WSW	12.5	Jamestown 2.5 SSE	11.9	Boulder 2.3 SSW	11.8
Rollinsville 1.1 SSW	10.6	Lyons 8.9 WNW	10.5	Timnath 2.1 SE	10.3
Berthoud 2.5 N	10.1	Nunn 1.2 ENE	10	Berthoud 2.3 N	10
Nederland 0.4 WNW	10	Erie 1.9 WNW	10	Longmont 3.3 SW	9.5
Niwot 2.2 SW	9.4	Golden 1.6 SW	9.3	Lyons 0.3 NNE	9.3
Greeley 10.5 SSE	9.1	2.0 NE Elizabeth	9	Windsor 3.7 WSW	9
Aspen Springs	9	Louisville 1.6 NNE	8.1	New Raymer 21 N	8
Centennial 2.0 SW	7.7	Ken Caryl 0.6 WSW	7.5	Littleton 5.7 SW	7.5
Kittredge 2.5 SSE	7.3	Fort Lupton 7.4 NW	7.2	Fairplay 2.7 WNW	7.1
1.4 NW Hygiene	7	3.0 E Franktown	7	Wheat Ridge 2.8 WSW	7
Westminster 1.1 SW	6.8	Broomfield 1.2 NE	6.7		



TEMPERATURES :

The average temperature at Denver International Airport for the month of October was 49.8 degrees F, which is 1.1 degrees below normal. There were no days in which the temperature reached or exceeded the exceeded the 90 degree mark and 14 days with temperatures at or below 32 degrees. The highest temperature of the month was 87 degrees on the 6th and the coldest temperature was 4 degrees on the 26th.

TWELVE WARMEST OCTOBER AVERAGE TEMPERATURES IN DENVER WEATHER HISTORY SINCE 1872:
DEGREES F

- 59.9 - 1950
- 57.9 - 1963, 1934
- 57.8 - 2016
- 57.4 - 1933
- 57.0 - 1947
- 56.5 - 2015
- 56.3 - 1875
- 55.9 - 1956, 1940, 1938, 1921

ELEVEN COLDEST OCTOBER AVERAGE TEMPERATURES IN DENVER WEATHER HISTORY SINCE 1872:
DEGREES F

- 38.9 - 1969
- 42.9 - 2009
- 43.3 - 1925
- 43.7 - 2019
- 44.0 - 2002
- 44.3 - 1923
- 44.7 - 1984
- 45.9 - 1970
- 46.3 - 1877
- 46.5 - 1919, 1913

PRECIPITATION:

Denver received 0.26 inches of precipitation in September 2020. This is 0.76 inches below the normal of 1.02 inches. The highest daily precipitation amount of 0.18 inches was measured on the 25th.

ELEVEN WETTEST OCTOBER PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE 1872:
INCHES

- 4.17 - 1969
- 3.92 - 1892
- 3.72 - 1942
- 3.50 - 1923
- 3.47 - 1984
- 3.05 - 1914
- 3.03 - 2007
- 2.84 - 1947
- 2.62 - 1957
- 2.46 - 1960, 1959

TEN DRIEST OCTOBER PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE 1872:
INCHES

- T - 1934
- 0.01 - 1933
- 0.05 - 1962, 1944
- 0.06 - 1988, 1954, 1948
- 0.08 - 2003, 2001
- 0.10 - 1980

SNOWFALL:

4.0 inches of snow was measured in the month of October.
This is 4.7 inches below the normal of 8.7 inches.

**FIFTEEN SNOWIEST OCTOBERS IN DENVER WEATHER HISTORY SINCE 1872:
INCHES**

- 31.2 – 1969
- 22.7 – 1906
- 22.1 – 1997
- 17.8 – 1923
- 17.2 – 2009
- 16.4 – 1897
- 16.2 – 1929
- 14.0 – 1889
- 13.8 – 1905
- 13.6 – 1908
- 13.1 – 1984
- 12.5 – 2019
- 11.8 – 1959
- 11.7 – 1917
- 10.6 - 1942

There were no days in which thunder was observed at Denver International Airport, and 1 day with dense fog with a visibility at or below 1/4 mile during the month. A peak wind gust of 59 mph from the northwest was recorded on the 11th.